

76014774

THE BART CAR

CAR TYPES

A-Car: Equipped with fiberglass operator's cab, automatic train operation sensors and two-way communications system. Length is 75' - Weight, 59,000 lbs. (without passengers).

B-Car Intermediate car (without cab). Length is 70' - Weight, 56,000 lbs.

CAR SPECIFICATIONS

Width: 10 feet, 6 inches
Height: 10 feet, 6 inches
Ceiling Height: 6 feet, 9 inches

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Exterior: Brushed aluminum finish with blue striping and BART insignia.

Floors: Wall-to-wall rust colored, 100% wool carpeting. Wide (30") aisles.

Seats: Smooth vinyl and woven upholstery - foam padded. Transverse seats (56 per car) are black in color, 34 inches apart. Longitudinal seats (16 per car) are located next to side doors and are rust in color. Seats are cantilevered to offer maximum leg and luggage space, and to provide for ease of maintenance.

Lighting: Recessed overhead fixtures provide both difused overall lighting and high intensity seat lighting for reading.

Windows: Panoramic view. Tinted and heat reflecting. Operator cab windshield is high impact glass, similar to commercial aircraft.

Air Conditioning: 12-ton multi-zone temperature/humidity control to maintain 68-72°F and keep humidity below 60%.

Propulsion: Four 150-HP, air-cooled, electric traction motors (one per axle). 1000-V direct current power derived from third rail.

Communication: VHF two-way radio telephone in cab. PA announcements to car can be originated by Central Control or operator. Passenger intercom to operator located in each car and labeled "attendant call."

Speed: 80 mph maximum. 45 mph average, including station stops (average stop is 20 seconds). Acceleration is 3.0 mph per second.

Fleet Size: Total number of cars on order for full system operations is 450 (176 A-Cars, 274-B-Cars).

Consists: Minimum Train - 2 A-Cars (144 seated passengers).
Maximum Train - 2 A-Cars and 8 B-Cars (720 seated passengers)
Intermediate consists formed by varying number of B-cars per train.

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